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(12) United States Patent
Chapman et al.**(10) Patent No.: US 9,522,919 B2****(45) Date of Patent: *Dec. 20, 2016****(54) OXYCODONE COMPOSITIONS****(71) Applicants:** **Purdue Pharma L.P.**, Stamford, CT (US); **The P.F. Laboratories, Inc.**, Totowa, NJ (US); **Purdue Pharmaceuticals L.P.**, Wilson, NC (US); **Rhodes Technologies**, Coventry, RI (US)**(72) Inventors:** **Robert Chapman**, Downingtown, PA (US); **Lonn S. Rider**, Foster, RI (US); **Qi Hong**, Sharon, MA (US); **Donald Kyle**, Yardley, PA (US); **Robert Kupper**, East Greenwich, RI (US)**(73) Assignees:** **Purdue Pharma L.P.**, Stamford, CT (US); **P.F. Laboratories, Inc.**, Totowa, NJ (US); **Purdue Pharmaceuticals L.P.**, Wilson, NC (US); **Rhodes Technologies**, Coventry, RI (US)**(*) Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

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Related U.S. Application Data**(63)** Continuation of application No. 13/366,755, filed on Feb. 6, 2012, now Pat. No. 9,073,933, which is a continuation of application No. 12/893,681, filed on Sep. 29, 2010, now abandoned, which is a continuation of application No. 12/380,800, filed on Mar. 4, 2009, now abandoned, which is a continuation of application No. 11/653,529, filed on Jan. 16, 2007, now Pat. No. 7,683,072, which is a continuation of application No. 11/391,897, filed on Mar. 29, 2006, which is a continuation of application No. 11/093,626, filed on Mar. 30, 2005, now Pat. No. 7,129,248.**(60)** Provisional application No. 60/651,778, filed on Feb. 10, 2005, provisional application No. 60/648,625, filed on Jan. 31, 2005, provisional application No. 60/620,072, filed on Oct. 18, 2004, provisional application No. 60/601,534, filed on Aug. 13, 2004, provisional application No. 60/557,492, filed on Mar. 30, 2004.**(51) Int. Cl.****A61K 31/485** (2006.01)
C07D 489/08 (2006.01)
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A61K 9/48 (2006.01)**A61K 9/14** (2006.01)**C07D 489/04** (2006.01)**(52) U.S. Cl.**CPC **C07D 489/08** (2013.01); **A61K 9/14** (2013.01); **A61K 9/20** (2013.01); **A61K 9/2095** (2013.01); **A61K 9/48** (2013.01); **A61K 9/4833** (2013.01); **A61K 31/485** (2013.01); **C07D 489/02** (2013.01); **C07D 489/04** (2013.01)**(58) Field of Classification Search**USPC 514/282; 546/45
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Primary Examiner — Charnajit Aulakh**(74) Attorney, Agent, or Firm** — Dechert LLP**(57) ABSTRACT**

In certain embodiments the invention is directed to a process for preparing an oxycodone hydrochloride composition having less than 25 ppm of 14-hydroxycodeinone.

28 Claims, 5 Drawing Sheets